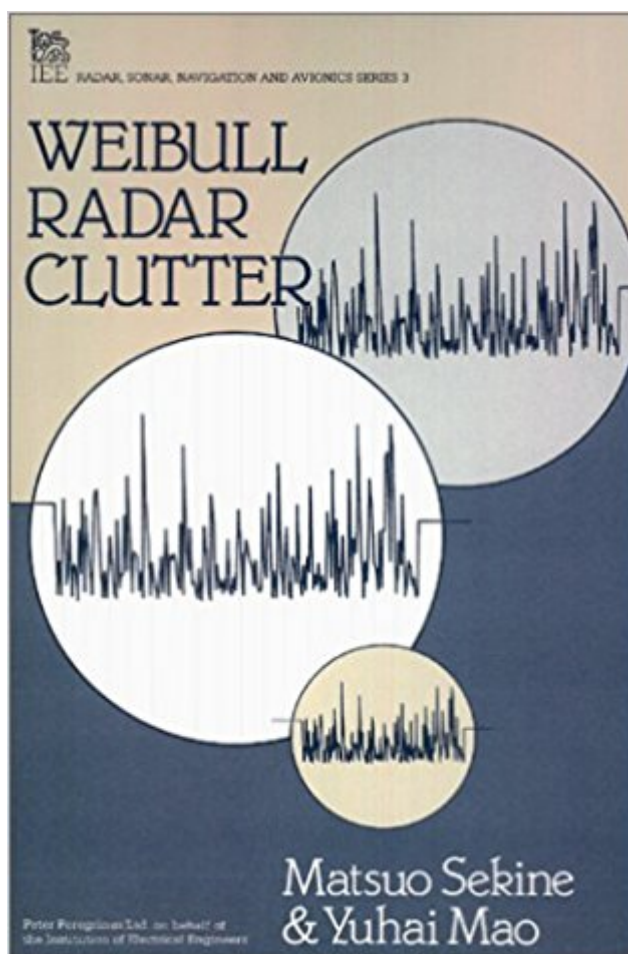


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Weibull Radar Clutter (Radar, Sonar, Navigation And Avionics Series, 3)



Synopsis

The material presented in this book is intended to provide the reader with a practical treatment of Weibull distribution as applied to radar systems. This book is primarily written for radar engineers. Topics include: general derivation of Weibull distribution, measurements of Weibull-distributed clutter, comparison of Weibull distribution with various distributions including Rayleigh, gamma, log-normal and k- distributions to name just a few.

Book Information

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Customer Reviews

Matsuo Sekine received the DrSci degree in Elementary Particle Physics from the Tokyo Institute of Technology in 1970. Since 1970, he has been engaged in research on quantum electrodynamics, electromagnetic field theory, radar and signal processing, and applications of superconductivity to microwave technology. From 1981-82 he worked at the Department of Applied Electronics, Lund Institute of Technology, Sweden as a Visiting Professor, and in 1988 was with the Department of Electromagnetic Theory of the Royal Institute of Technology, Stockholm, Sweden. Professor Sekine is now with the Department of Applied Electronics at the graduate school of the Tokyo Institute of Technology, Japan. Yuhai H. Mao graduated in Radio Engineering from Tsinghua University, Beijing, China, in 1955. He worked as a lecturer in that Department from 1959 and became an Associated Professor in 1979, when he was appointed as the Head of the Signal Detection and Signal Processing Division. He worked as a Visiting Research Associate at the School of Electrical

Engineering at Cornell University from 1980 to 1981. He received the 'First Class Prize of National Invention' in China in 1984 for his excellent contribution to frequency agility radar. He became a full Professor in 1985 and worked as Deputy Director of the Research Institute of Radio-Electronics at Tsinghua University. Invited by the Japan Society of Promotion of Science, he worked with Tokyo Institute of Technology as a Visiting Researcher from 1987 to 1988. He is the author of Frequency Agility Radar, published in 1981, and he is also the author of more than 37 papers. Professor Mao was elected as a Senior Member of the IEEE in 1983. He is also a Director of the Chinese Institute of Aeronautics, and a Fellow of the Chinese Institute of Electronics. He is currently on sabbatical leave and works at Stanford University as a Visiting Professor.

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